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The history of the Finnish botanical exploration of Russian Lapland in 1861 and 1863

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The history of the Finnish botanical exploration of Russian Lapland in 1861 and 1863

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The early Finnish expeditions to the Kola Peninsula were organised by the *Societas pro Fauna et Flora Fennica*. 7KHĚ|VWHS\$HGLWLRQLQ ZDVPDGHEWZRVHSDUDWHWHDPV3HWWHU6ROI .DUVVHQDQGILOV,VDNHOOPDQKHDGHGWRWKHZHVWUQSUDWDQGXWDI6HOLQVW&LHGWA
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Introduction

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botanical travel to the Kola Peninsula. Starting
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 pro Fauna et Flora Fennica decided to organ-
 ize expeditions to Lapland in 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2

History of the expeditions

Historical background

The first expedition was organized by the *Societas* *WKH OHDGLQJ LQQ* also originally possessed and then curated the natural history collection of the *Societas* *LQKHSUR* and to organise a big expedition to Lapponia rossica. The expedition was organized by the *Societas* *LQKHSUR* and to organise a big expedition to Lapponia rossica. The expedition was organized by the *Societas* *LQKHSUR* and to organise a big expedition to Lapponia rossica.

The first expedition was organized by the *Societas* *KDG LQVFLHQW EDODQFH* also originally possessed and then curated the natural history collection of the *Societas* *LQKHSUR* and to organise a big expedition to Lapponia rossica. The expedition was organized by the *Societas* *LQKHSUR* and to organise a big expedition to Lapponia rossica. The expedition was organized by the *Societas* *LQKHSUR* and to organise a big expedition to Lapponia rossica.



Figure 1. Petter Adolf Karsten, year unknown. Reproduced from Wittrock (1905).



Figure 2. Gustaf Selin, photo from 1860s. Reproduced from Anttila (1935).

lander that eventually inspired his younger brother-
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 expedition

Societas announced the
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lections by dividing the expedition into separate
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Figure 3. Nils Isak Fellman, photo from early years. Reproduced from Wittrock (1905).

Table 1. Route of Fellman and Karstens travels to Russian Lapland and North Karelia in 1861. Biogeographical provinces follow Anonymous (1938).

Date	Locality as on labels	Former and present-day place name and status	Biog. prov.	lat	lon	Notes
Republic of Karelia						
22.06.1861	Soukelo	Sokolozero (lake), Soukelo (former village, now under Iova Water Reservoir)	Kk	66.409	30.722	
23.06.1861	Susijärvi	Sushozero (former lake, inundated by the Iova Water Reservoir)	Kk	66.593	31.179	
Murmansk Region						
[24.06.1861]	Knjäsčaja guba, Knjasha, Knäsä, Knjäscha	Knyazhaya (bay), Knyazhaya Guba (village)	Kk	66.876	32.491	no specimens of vascular plants were collected in this locality
25.06.1861	insula Voronja, Knäsa Kantalaks	Voronii (island, in Severnyi Archipelago)	Kk	67.025	32.619	
25.06.1861	Kantalahti	Kandalaksha (formerly church village, now town)	Lim	67.133	32.426	
26.06.1861	umen Niva	Niva (river)	Lim	67.187	32.469	
[27.06].1861	Jekostrof, Jokostrof, Jokostro , Jokostrow	Yokostrov (former nomad camp of Saami people); Ekostrov (on modern maps, island and strait connecting two waterbodies on Lake Imandra)	Lim	67.582	33.050	the date was derived from the phenology of collected plants and the travel route
28.06.1861	Rasnavolok	Raznavolok (former village)	Lim	67.984	33.313	
29.06.1861	norr om Imandra	N of Imandra Lake	Lim	68.045	33.329	
29.06.1861	umen Kurengi	Kurenga (river)	Lim	68.088	33.328	
29.06.1861	lacus Pulusosero	Permusozero (lake)	Lim	68.155	33.356	
29.06.1861	Maanselkä	Maaselkä (former nomad camp of Saami people)	Lt	68.207	33.314	
29 30.06.1861	pagum Kola, Kuolla	Kola (town)	Lt	68.883	33.016	
01 05.07.1861	sinus Kolaensis, Kola ord, Kolskaja guba, sinus Kola	Kola (bay), Murmansk (ord)	Lt	69.055	33.011	
05 07.07.1861	Olenji	Malyi Olenii (island)	Lm	69.252	34.718	
08 09.07.1861	Kildin	Kildin (island)	Lt	69.351	34.168	
09 10.07.1861	Kito ka, Kitofka, Kitofska	Titovka (bay)	Lt	69.589	32.050	
11 12.07.1861	Subovi	Zubovskaya (bay)	Lt	69.796	32.514	on the map Fellman (1869) misplaced Subovi at the location of Eina River
13 14.07.1861	sinus Kolaensis, Kola ord, Kolskaja guba, sinus Kola	Kola (bay), Murmansk (ord)	Lt	69.055	33.011	
15 17.07.1861	pagum Kola, Kuolla	Kola (town)	Lt	68.883	33.016	
18.07.1861	umen Tuloma (prope Kola)	Tuloma (river)	Lt	68.809	32.701	
18.07 02.08.1861	sinus Kolaensis, Kola ord, Kolskaja guba, sinus Kola	Kola (bay), Murmansk (ord)	Lt	69.055	33.011	
02.08.1863	Kitscha prope Kola	Kitsa (river, at the mouth)	Lt	68.614	33.234	
02.08.1861	umen Kurengi	Kurenga (river)	Lim	68.088	33.328	
[02].08.1861	Rasnavolok	Raznavolok (former village)	Lim	67.984	33.313	
02.08.1861	Imandra	Imandra (lake)	Lim	67.619	33.048	
03.08.1861	Sascheika	Zasheyek (formerly post station, now village)	Lim	67.403	32.561	

Table 1. cont.

Date	Locality as on labels	Former and present-day place name and status	Biog. prov.	lat	lon	Notes
03 04.08.1861	umen Niva	Niva (river)	Lim	67.187	32.469	
[04.08.1861]	Kantalahti	Kandalaksha (formerly church village, now town)	Lim	67.133	32.426	no specimens of vascular plants were collected in this locality
04.08.1861	insula Polashka prope Kantalahti	Palashka (island)	Lim	66.971	32.572	
04.08.1861	Kantalahti, Kantalaks	Kandalaksha (gulf)	Kk	67.025	32.619	
06 08.08.1861	Knjäsčaja gubä, Knjasha, Knäsä	Knyazhaya (bay), Knyazhaya Guba (village)	Kk	66.876	32.491	
10.08.1861	Koutajärvi	Kovdozero (lake)	Kk	66.773	31.775	
10.08.1861	liava	Iova (river)	Kk	66.665	31.386	
Republic of Karelia						
10.08.1861	Susijärvi	Sushozero (former lake, inundated by the Iova Water Reservoir)	Kk	66.593	31.179	
11.08.1861	Ruankoski prope Soukelo	former small village on the western side of Lake Ruvozero	Kk	66.467	30.806	

Figure 4. Finnish expedition (P. A. Karsten and N. I. Fellman) to the Kola Peninsula in 1861. Biogeographical provinces follow Anonymous (1938).

Figure 5. Finnish expedition (G. Selin) to the Kola Peninsula in 1861. Biogeographical provinces follow Anonymous (1938).

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extending the collecting season apparently were

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Kola Peninsula should have been studied instead

